

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. **(Currently Amended)** A media streaming delivery system, comprising:
a media delivery apparatus for transmitting a media stream in packets to a network according to a real time transfer protocol;

a relay apparatus connected to said network for transmitting said media stream to a communication link with a large delay; and

packet analysis means for monitoring said packet arriving at said relay apparatus and transmitting feedback information indicating a status of said network to said media delivery apparatus;

wherein said feedback information is a sequence number of a packet lost from said media stream;

wherein said media stream is a moving image including a sequence of I-pictures and P-pictures; and

wherein said media delivery apparatus comprises:

a storage for storing a plurality of media streams for a same moving image, including at least a media stream of a first format that includes I-pictures in a first arrangement and a media stream of a second format that includes I-pictures in a second arrangement which is different from said first arrangement; and

switching means that in response to a determination of the lost packet with respect to the destination associated with the lost packet, selects a media stream from a plurality of said media streams of at least said first and second formats, the selected media stream being a media stream in which an I-picture appears earliest after the lost packet, and for sending the selected media stream to said destination.

2. (Previously Presented) The delivery system according to claim 1, wherein said feedback information is an acknowledge response sent to said relay apparatus each time a packet of said media stream arrives.

3-4. (Canceled).

5. (Currently Amended) The delivery system according to claim 1~~claim 4~~, wherein said communication link with a large delay is a wireless link.

6. (Canceled).

7. (Currently Amended) The system according to claim 5~~claim 6~~,
~~wherein said media stream is a video including a sequence of I-pictures and P-pictures;~~

wherein said media delivery apparatus comprises an encoding device for generating said media stream; and

wherein said encoding device is arranged to generate a media stream starting with an I-picture in response to determination of said packet loss.

8-10. (Canceled).

11. (Currently Amended) A media delivery apparatus used for delivering a media stream comprising a sequence of packets,

wherein said apparatus, in response to feedback relating to packet loss on a delivery path of a media stream, ~~is arranged for configured~~, ~~in response to feedback relating to packet loss on a delivery path of said media stream, modifying to modify said media stream so as to reduce an influence of said~~ packet loss;

wherein said media stream is a moving image including a sequence of I-pictures

and P-pictures, said media delivery apparatus comprising:

_____ a storage for storing a plurality of media streams for a same moving image, said plurality of media streams including at least a first media stream of a first format that includes I-pictures in a first arrangement, and a second media stream of a second format that includes I-pictures in a second arrangement which is different from said first arrangement; and

_____ switching means for responding to a determination of said packet loss with respect to a destination in which said packet loss has occurred, the switching means configured to select a media stream among said plurality of media streams, in which an I-picture appears earliest after said packet loss, and for sending the selected media stream to said destination.

12. **(Currently Amended)** The media delivery apparatus according to claim 11,

wherein said media stream is a video including a sequence of I-pictures and P-pictures;

wherein said media delivery apparatus comprises an encoding device for generating said media stream; and

wherein said encoding device is ~~arranged~~ configured to generate a media stream starting with an I-picture in response to determination of said packet loss.

13. (Original) The media delivery apparatus according to claim 12, wherein said feedback relating to said packet loss is feedback relating to said packet loss observed at a point where said delivery path switches from a link with a small delay to a link with a large delay.

14. (Original) The media delivery apparatus according to claim 13, wherein said link with a small delay is a wired link and said link with a large delay is a wireless link.

15. **(Canceled).**

16. **(Currently Amended)** The media delivery apparatus according to ~~claim~~ claim 12, wherein said encoding device is arranged such that, in response to detection of a packet loss based on feedback information from said packet analysis apparatus, said encoding device increases a frequency of I-pictures at least for a media stream transmitted to a destination for which said loss has occurred.

17. **(Currently Amended)** The media delivery apparatus according to ~~claim~~ claim 12, wherein said encoding device is arranged such that, in response to detection of said packet loss based on feedback information from said packet analysis apparatus, said encoding device transmits a media stream starting with an I-picture to the destination for which said packet loss has occurred.

18. **(Currently Amended)** The media delivery apparatus according to claim 14, wherein said media delivery apparatus performs ~~said~~ retransmission of a packet based on ~~said~~ feedback information relating to ~~a packet~~ the packet loss.

19-26. **(Canceled).**

27. **(Currently Amended)** A media streaming delivery method, comprising:
transmitting a media stream in packets from a first device to a network according to a real time transfer protocol;

relaying said media stream from the network to a communication link with a large delay by using a second device; and

monitoring said packets as they arrive at said second device and transmitting feedback information indicating the status of said network to said first device;

said media stream includes a video including a sequence of I-pictures and P-pictures; and

said first device performing the steps of:

storing a plurality of media streams for one video, including at least a first media stream including I-pictures in a first arrangement and a second media stream

including I-pictures in a second arrangement which is different from said first arrangement; and

_____ responding to a lost packet by

(a) selecting a media stream in which a first I-picture after the picture in said lost packet appears earliest among said plurality of media streams, and

(b) switching the media stream to be sent to said selected media stream, the selecting and switching steps being performed for the destination for which said loss lost packet occurred.

28. (Previously Presented) The delivery method according to claim 27, wherein said feedback information is an acknowledge response sent to said second device each time a packet of said media stream arrives at the second device.

29. (Previously Presented) The delivery method according to claim 27, wherein said feedback information is a sequence number of a packet lost from said media stream.

30. (Previously Presented) The delivery method according to claim 28, further including modifying said media stream transmitted from the first device based on said feedback information.

31. (Previously Presented) The delivery method according to claim 30, wherein said communication link with a large delay is a wireless link.

32. **(Canceled).**

33. **(Currently Amended)** The method according to ~~claim 32~~claim 27,

_____wherein said media stream includes a video having a sequence of I-pictures and P-pictures;~~and further including, the method further comprising:~~

_____generating a media stream starting with an I-picture in response to said packet ~~being lost~~lost packet; and

retransmitting the generated media stream~~retransmission is performed~~ based on a acknowledge response ~~from said~~received over said wireless terminallink.